

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 7:26 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 729 Const Calendar Day: 302 Date: 02-Apr-2013 Tuesday

Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition cloudy

Working Day ☒ If no, explain:**Diary:**

Dispute

General Comments

There is work in the field today by ABF and CCC, but no inspection by me today.



ITEM 101 TRAVELER SUPPORT RAIL;
ITEM 68, FURNISH SUSPENDER SYSTEM;
BOLTS FOR TRAVELER RAIL BRACKETS AND SUSPENDER SPLIT COLLARS:

I am at Translab in Sacramento for a portion of the day (approximately 0930 to 1130) for discussions and to witness QA testing of a resample for 3 lots of LeJeune/BBC bolts that did not pass the QA wedge tensile tests previously at Translab. All this material passed QC testing at BBC, LeJeune, and on site with ABF. Only the BBC tests were wedge tensile tests, with tests at LeJeune and ABF being rocap testing. Note that the test reports from BBC show 3 passing wedge tensile tests for each lot, with the quantity in compliance with ASTM requirements.

The wedge details are as follows:

For M22 bolts, Translab is using a wedge labeled 7/8" for 7/8" diameter bolts. The hole in the wedge is approximately 24mm diameter. This complies with both ASTM F606 for 7/8" bolts and F606M for M22 bolts.

For M24 bolts, Translab is using a wedge labeled 1" for 1" diameter bolts. The hole in the wedge is approximately 27mm diameter. This complies with both ASTM F606 for 1" bolts and F606M for M24 bolts. The clearance between the bolt and the wedge hole is larger than it would be for a 1", bolt but it complies with the requirements.

The testing details are as follows:

The M22x90 bolts, bolt lot 18790Z, had head failures for 9 of 11 samples during the initial testing a few weeks ago and head failures for 3 of 6 samples tested today.

The M22x120 bolts, bolt lot 18791Z, had head failures for 7 of 11 samples during the initial testing a few weeks ago and head failures for 2 of 6 samples tested today.

The M24x130 bolts, bolt lot 18793Z, had head failures for 2 of 6 samples during the initial testing a few weeks ago and no head failures for 6 samples tested today.

After testing is complete, I call ABF Engineer Chris Bausone to notify him of the results of the testing of the resample.

Reference Translab test report for Sample No: SM-13-0247, Date Reported: 03/21/13 for the initial testing. Reference Translab test report for Sample No: SM-13-0315, Date Reported: 04/04/13 for the formal reporting of today's testing of the resample.



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Job Name: 04-0120F4

Inspector Name Brignano, Bob

Diary #: 729

Date: 02-Apr-2013

Tuesday

INSPECTOR OT REMARK:

Office 2 hours: Meeting and research for CT management for E2 rod issues, A354 Grade BD material, and Dyson material.